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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/714,600	11/18/2003	Anthony Pidcock	84713 3051 KAW	2938
20736	7590	06/15/2005	EXAMINER	
MANELLI DENISON & SELTER 2000 M STREET NW SUITE 700 WASHINGTON, DC 20036-3307			CASAREGOLA, LOUIS J	
			ART UNIT	PAPER NUMBER
			3746	

DATE MAILED: 06/15/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

SP

Office Action Summary	Application No.		Applicant(s)	
	10/714,600		PIDCOCK ET AL.	
	Examiner		Art Unit	
	Louis J. Casaregola		3746	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
 Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-3, 5-11, 26, 27 is/are rejected.
- 7) ☒ Claim(s) 4, 12-25, 27 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☐ All b) ☐ Some * c) ☒ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____ | 6) <input type="checkbox"/> Other: ____ |

Objections To Drawing

The drawing is objected to under 37 CFR 1.83(a) for failing to show all significant features recited in the claims. Claim 4 describes a combustor seal as engaging both an inner and outer combustor wall. The only embodiment presently shown, however, comprises a seal engaging an inner wall but not an outer wall, (see Fig. 3 and note that seal flange 60 contacts inner wall 28 but not outer wall 30). For a complete response to this action, applicants are required to submit a new or amended drawing figure showing a seal engaging both inner and outer combustor walls in the manner claimed.

Objections To Claims

Claims 13-22 and 27 are objected to under 37 CFR 1.75(a) for the following reasons:

These claims all contain expressions that lack antecedent basis due to improper claim dependency.

Claim 13 refers to "the cooling means" introduced in claim 12, but claim 13 depends from claim 11. Claim 13 should therefore be made dependent on claim 12.

Claims 16-19 all refer to "the cooling channels" introduced in claim 13, but all of

claims 16-19 depend from claim 12. Each of claims 16-19 should therefore be made dependent on claim 13.

Claim 27 refers to "a combustor arrangement as in claim 21", but the combustor arrangement is introduced in claim 26. Claim 27 should therefore be made dependent on claim 26.

Claims 14, 15 and 20-22 also contain objectionable subject matter because each of these claims depends from one of claims 13 or 19 objected to for reasons discussed above.

Claim Rejections - 35 USC 112

Claims 7-9 and 11 are rejected under 35 USC 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicants regard as the invention.

In claims 7-9, some intended language appears to have been omitted from the passage "wherein holding means to hold the article" (claim 7, lines 1-2). Claims 7-9 are thus rendered indefinite. Note also that reference to "the outer combustor walls" (claim 7, lines 2-3) conflicts with its antecedent since parent claim 1 recites only a single outer wall.

Claim 11 recites "the wall member comprises a main portion and a spacer". The antecedent basis for the designated language is the plurality of "wall members" recited

in claim 10. It is not clear whether the requirement for a main portion and a spacer in claim 11 is intended to apply to only a single wall member or to all of the wall members present.

Claim Rejections - 35 USC 102

Claims 1-3, 5-8, 10, 26 and 27 are rejected under 35 USC 102(b) as being anticipated by Irwin.

The claimed combustor seal arrangement reads on prior art combustor seal structure of the type disclosed by Irwin. Attention is called to Irwin's Figures 1-4; note that the claimed inner wall, outer wall, and seal correspond respectively to wall 4, wall 27, and gasket 46. Note also that the walls and gasket all have aligned apertures to accommodate an article in the form of an igniter plug. With regard to claims 5 and 6, it is pointed out that the sealing portion of gasket 46 comprising a radially outward extending portion engaging wall 4. With respect to claims 7 and 8, it is also pointed out that elements 40, 42, etc. constitute article holding means in outer wall 27. With regard to claim 10, it is additionally pointed out that the Irwin's inner wall could alternatively be construed as comprising elements 4 and 24, in which case, it would comprise a plurality of wall members as broadly described in the claim.

Claims 1-3, 5 and 6 are also rejected under 35 USC 102(e) as being anticipated by White.

White discloses a further example of a double-walled combustor with a sealed opening for an igniter. In this case, the claimed inner and outer walls correspond to walls 18 and 26 shown in Figure 1, and the claim seal corresponds to the structure shown in exploded form in Figure 2.

Allowable Subject Matter

Claims 4 and 12-25 contain allowable subject matter but are objected to as depending from rejected parent claims. Claims 13-22 are further objected to under 37 CFR 1.75 for reasons pointed out above. If claims 4 and 12-25 are rewritten in independent and amended to overcome all other objections, these claims will be allowed.

L. J. Casaregola
571-272-4826 (M-F; 7:30-4:00)
703-872-9306 FAX
June 13, 2005



**LOUIS J. CASAREGOLA
PRIMARY EXAMINER**

If repeated attempts to reach the examiner by telephone are unsuccessful, the art unit supervisor, Timothy Thorpe, can be reached at 571-272-4444.

Information regarding the status of this application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR, and status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).